

CLAIMS

1. A computer controlled method comprising:
 - establishing communication between a wireless sensor and a provisioning device over a preferred channel;
 - receiving provisioning information from said provisioning device over said preferred channel; and
 - automatically configuring said wireless sensor for transmitting sensor information over a secure communication channel responsive to said provisioning information.
2. The computer controlled method of claim 1, wherein said provisioning information comprises a credential.
3. The computer controlled method of claim 1, wherein said provisioning information further comprises one or more of patient data, limit data, alarm data, dosage data, interval data, access data, physician data, caregiver data, nurse data, insurance data or room assignment data.
4. The computer controlled method of claim 3, further comprising transmitting said sensor information over said secure communication channel.
5. The computer controlled method of claim 1, wherein said provisioning information further comprises one or more of sensitivity data, target data, image recognition data, or noise characteristics.
6. The computer controlled method of claim 1, wherein said wireless sensor senses one or more of medical information, location information, proximity information, environmental information, or vehicle information.
7. A computer-readable storage medium storing instructions that when executed by a computer in a wireless sensor to cause the computer to perform a method comprising steps of:

4 establishing communication between said wireless sensor and a provisioning
5 device over a preferred channel;

6 receiving provisioning information from said provisioning device over said
7 preferred channel; and

8 automatically configuring said wireless sensor for transmitting sensor
9 information over a secure communication channel responsive to said provisioning
10 information.

1 8. The computer-readable storage medium of claim 7, wherein said provisioning
2 information comprises a credential.

1 9. The computer-readable storage medium of claim 7, wherein said provisioning
2 information further comprises one or more of patient data, limit data, alarm data,
3 dosage data, interval data, access data, physician data, caregiver data, nurse data,
4 insurance data or room assignment data.

1 10. The computer-readable storage medium of claim 9, further comprising transmitting
2 said sensor information over said secure communication channel.

1 11. The computer-readable storage medium of claim 7, wherein said provisioning
2 information further comprises one or more of sensitivity data, target data, image
3 recognition data, or noise characteristics.

1 12. The computer-readable storage medium of claim 7, wherein said wireless sensor
2 senses one or more of medical information, location information, proximity
3 information, environmental information, or vehicle information.

1 13. A wireless apparatus comprising:

2 at least one port configured to establish a preferred channel;

3 a preferred channel communication mechanism configured to be able to
4 establish communication with a provisioning device over said preferred channel;

5 a receiver mechanism configured to be able to receive provisioning
6 information from said provisioning device over said preferred channel; and

7 an automatic configuration mechanism to enable said wireless sensor to
8 transmit sensor information over a secure communication channel established
9 responsive to said provisioning information.

1 14. The apparatus of claim 13, wherein said provisioning information comprises a
2 credential.

1 15. The apparatus of claim 13, wherein said provisioning information further comprises
2 one or more of patient data, limit data, alarm data, dosage data, interval data, access
3 data, physician data, caregiver data, nurse data, insurance data, room assignment
4 data, sensitivity data, target data, image recognition data, activation data, or noise
5 characteristics.

1 16. The apparatus of claim 15, further comprising a transmission mechanism
2 configured to transmit said sensor information over said secure communication
3 channel.

1 17. The apparatus of claim 13, wherein wireless apparatus further comprises a sensor
2 for measuring said sensor information.

1 18. The apparatus of claim 13, wherein said wireless sensor senses one or more of
2 medical information, location information, proximity information, environmental
3 information, or vehicle information.

1 19. The apparatus of claim 13, wherein said sensor information is status information
2 about the apparatus.